

| L Number | Hits | Search Text | DB | Time stamp |
|----------|--------|---|---------------------------|------------------|
| 1 | 243 | 29/25.35.ccls. and SAW | USPAT; JPO; DERWENT | 2004/08/10 12:05 |
| 2 | 0 | (29/25.35.ccls. and SAW) and (alpha adj tantalum) | USPAT; JPO; DERWENT | 2004/08/10 12:06 |
| 3 | 0 | 29/25.35 and (alpha adj tantalum) | USPAT; JPO; DERWENT | 2004/08/10 12:05 |
| 4 | 346480 | (SAW) or (surface adj acoustic adj wave) or transducer | USPAT; JPO; DERWENT | 2004/08/10 12:05 |
| 5 | 2093 | 29/25.35.ccls. | USPAT; JPO; DERWENT | 2004/08/10 12:05 |
| 6 | 768 | ((SAW) or (surface adj acoustic adj wave) or transducer) and 29/25.35.ccls. | USPAT; JPO; DERWENT | 2004/08/10 12:05 |
| 7 | 0 | ((((SAW) or (surface adj acoustic adj wave) or transducer) and 29/25.35.ccls.) and (alpha adj tantalum) | USPAT; JPO; DERWENT | 2004/08/10 12:06 |
| - | 125915 | sputtering | USPAT; JPO; DERWENT | 2004/01/09 09:04 |
| - | 0 | sputtering with (iner adj gas) with nitrogen | USPAT; JPO; DERWENT | 2004/01/08 16:23 |
| - | 369 | sputtering with (inert adj gas) with nitrogen | USPAT; JPO; DERWENT | 2004/01/08 16:24 |
| - | 4 | (sputtering with (inert adj gas) with nitrogen) and saw | USPAT; JPO; DERWENT | 2004/01/08 16:24 |
| - | 7 | sputtering with (inert adj gas) with (nitrogen or argon) and SAW | USPAT; JPO; DERWENT | 2004/01/08 16:32 |
| - | 1790 | 204/192.15.ccls. | USPAT; JPO; DERWENT | 2004/01/08 16:32 |
| - | 57285 | tantalum | USPAT; JPO; DERWENT | 2004/01/08 16:32 |
| - | 313 | 204/192.15.ccls. and tantalum | USPAT; JPO; DERWENT | 2004/01/08 16:32 |
| - | 0 | a-tantalum | USPAT; JPO; DERWENT | 2004/01/08 16:32 |
| - | 1 | a-tantalum | USPAT; JPO; DERWENT | 2004/01/08 16:33 |
| - | 81 | alpha adj tantalum | USPAT; JPO; DERWENT | 2004/08/10 12:04 |
| - | 9 | 204/192.15.ccls. and (alpha adj tantalum) | USPAT; JPO; DERWENT | 2004/01/08 16:33 |
| - | 10 | sputtering with (alpha adj tantalum) with (nitrogen or argon) | USPAT; JPO; DERWENT | 2004/01/09 09:49 |
| - | 5 | ("4340834" "5221449" "5281485" "5847486" "5850167").PN. | USPAT | 2004/01/08 16:34 |
| - | 1 | IDT with (alpha adj tantalum) | USPAT; JPO; DERWENT | 2004/01/08 16:42 |

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| - | 3 | interdigital with (alpha adj tantalum) | USPAT; JPO; DERWENT | 2004/01/08 16:42 |
| - | 26 | electrode with (alpha adj tantalum) | USPAT; JPO; DERWENT | 2004/01/08 16:40 |
| - | 6 | ("4251326" "5162690" "5221449" "5274482" "6218763" "6127769").PN. | USPAT | 2004/01/08 16:40 |
| - | 1 | ((("4251326" "5162690" "5221449" "5274482" "6218763" "6127769").PN.) and IDT | USPAT; JPO; DERWENT | 2004/01/08 16:41 |
| - | 0 | ((("4251326" "5162690" "5221449" "5274482" "6218763" "6127769").PN.) and IDT) and (alpha adj tantalum) | USPAT; JPO; DERWENT | 2004/01/08 16:42 |
| - | 4 | (interdigital with tantalum) and (alpha adj tantalum) | USPAT; JPO; DERWENT | 2004/01/08 16:42 |
| - | 15 | interdigital with tantalum | USPAT; JPO; DERWENT | 2004/01/08 16:43 |
| - | 5 | 29/592.1,594,609.1.ccls. and IDT | USPAT; JPO; DERWENT | 2004/01/08 16:46 |
| - | 55 | 29/\$.ccls. and IDT | USPAT; JPO; DERWENT | 2004/01/08 16:46 |
| - | 13 | 29/592.1,594,609.1.ccls. and interdigital | USPAT; JPO; DERWENT | 2004/01/08 16:46 |
| - | 143 | 29/\$.ccls. and interdigital | USPAT; JPO; DERWENT | 2004/01/08 16:46 |
| - | 0 | (alpha adj tantalum) and (29/\$.ccls. and interdigital) | USPAT; JPO; DERWENT | 2004/01/08 16:46 |
| - | 4 | (alpha adj tantalum) and interdigit\$2 | USPAT; JPO; DERWENT | 2004/01/08 16:48 |
| - | 111651 | low with resist\$3 | USPAT; JPO; DERWENT | 2004/01/09 09:04 |
| - | 4324 | low adj resist\$3 | USPAT; JPO; DERWENT | 2004/01/09 09:05 |
| - | 12280 | interdigital wtihtantalum | USPAT; JPO; DERWENT | 2004/01/09 09:06 |
| - | 11 | (low adj resist\$3) and (interdigital wtihtantalum) | USPAT; JPO; DERWENT | 2004/01/09 09:05 |
| - | 1 | (interdigital wtihtantalum) same (low adj resist\$3) | USPAT; JPO; DERWENT | 2004/01/09 09:06 |
| - | 42 | (interdigital wtihtantalum) same (low adj resist\$3) | USPAT; JPO; DERWENT | 2004/01/09 10:21 |
| - | 0 | (interdigital near tantalum) same (low adj resist\$3) | USPAT; JPO; DERWENT | 2004/01/09 09:08 |
| - | 0 | (interdigital same tantalum) same (low adj resist\$3) | USPAT; JPO; DERWENT | 2004/01/09 09:08 |
| - | 0 | (interdigital with tantalum) same (low adj resist\$3) | USPAT; JPO; DERWENT | 2004/01/09 09:09 |
| - | 0 | (tantalum same (low adj resist\$3)) and interdigital | USPAT; JPO; DERWENT | 2004/01/09 09:41 |

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| - | 41 | tantalum same (low adj resist\$3) | USPAT; JPO; DERWENT | 2004/01/09 09:35 |
| - | 0 | (alpha adj tantalum) same (low adj resist\$3) | USPAT; JPO; DERWENT | 2004/01/09 10:24 |
| - | 2 | ((alpha adj tantalum) same ((low or reduce\$1) adj resist\$5)) and interdigital | USPAT; JPO; DERWENT | 2004/01/09 09:44 |
| - | 17 | (alpha adj tantalum) same ((low or reduce\$1) adj resist\$5) | USPAT; JPO; DERWENT | 2004/01/09 09:44 |
| - | 1 | ((alpha adj tantalum) same ((low or reduce\$1) adj resist\$5)) and SAW | USPAT; JPO; DERWENT | 2004/01/09 09:44 |
| - | 852 | (interdigital wth tantalum) same (low adj resist\$5) | USPAT; JPO; DERWENT | 2004/01/09 09:48 |
| - | 327 | sputtering with (tantalum) with (nitrogen or argon) | USPAT; JPO; DERWENT | 2004/01/15 09:12 |
| - | 30 | ((interdigital wth tantalum) same (low adj resist\$5)) and (sputtering with (tantalum) with (nitrogen or argon)) | USPAT; JPO; DERWENT | 2004/01/09 10:07 |
| - | 4793 | sputtering same (distance or space or distance) same (target or substrate) | USPAT; JPO; DERWENT | 2004/01/09 10:08 |
| - | 4793 | sputtering same (space or distance) same (target or substrate) | USPAT; JPO; DERWENT | 2004/01/09 10:08 |
| - | 57 | (sputtering with tantalum) same (space or distance) same (target or substrate) | USPAT; JPO; DERWENT | 2004/01/12 09:12 |
| - | 36 | (sputtering with tantalum) same (pressure) same (power) same temperature | USPAT; JPO; DERWENT | 2004/01/09 10:17 |
| - | 0 | (interdigital wth tantalum) same (low adj resist\$3) same reflector | USPAT; JPO; DERWENT | 2004/01/09 10:25 |
| - | 1055 | (interdigital wth tantalum) same reflector | USPAT; JPO; DERWENT | 2004/01/09 10:23 |
| - | 436 | ((interdigital wth tantalum) same reflector) and saw | USPAT; JPO; DERWENT | 2004/01/09 10:22 |
| - | 1083 | (reflector wth tantalum) same SAW | USPAT; JPO; DERWENT | 2004/01/09 10:24 |
| - | 81 | alpha adj tantalum | USPAT; JPO; DERWENT | 2004/01/09 10:24 |
| - | 1 | ((reflector wth tantalum) same SAW) and (alpha adj tantalum) | USPAT; JPO; DERWENT | 2004/01/09 10:24 |
| - | 1 | (alpha adj tantalum) with reflector | USPAT; JPO; DERWENT | 2004/01/09 10:24 |
| - | 1055 | (interdigital wth tantalum) same reflector | USPAT; JPO; DERWENT | 2004/01/09 10:25 |
| - | 1 | (interdigital wth tantalum) same (low adj resist\$5) same reflector | USPAT; JPO; DERWENT | 2004/01/09 10:25 |
| - | 0 | tantalum same (low adj resist\$5) same reflector | USPAT; JPO; DERWENT | 2004/01/09 10:26 |

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| - | 7 | (tantalum same reflector) and saw | USPAT; JPO; DERWENT | 2004/01/09 10:26 |
| - | 142 | tantalum same reflector | USPAT; JPO; DERWENT | 2004/01/09 10:27 |
| - | 9 | (sputtering with tantalum) same (space or distance) same (target or substrate) same thickness | USPAT; JPO; DERWENT | 2004/01/12 09:39 |
| - | 4 | saw and (reflector\$1 with tantalum) | USPAT; JPO; DERWENT | 2004/01/12 09:40 |
| - | 7 | saw and (reflector\$1 same tantalum) | USPAT; JPO; DERWENT | 2004/01/12 09:42 |
| - | 5 | IDT and (reflector\$1 same tantalum) | USPAT; JPO; DERWENT | 2004/01/12 09:42 |
| - | 15 | (US-6144057-\$ or US-5281485-\$ or US-5221449-\$ or US-6226171-\$ or US-4410867-\$ or US-5850167-\$ or US-5140403-\$ or US-6088462-\$ or US-6110598-\$ or US-5281554-\$ or US-6375312-\$ or US-5714268-\$ or US-6191031-\$ or US-6154105-\$).did. or (JP-04186815-\$).did. | USPAT; JPO | 2004/01/15 08:51 |
| - | 3 | ((US-6144057-\$ or US-5281485-\$ or US-5221449-\$ or US-6226171-\$ or US-4410867-\$ or US-5850167-\$ or US-5140403-\$ or US-6088462-\$ or US-6110598-\$ or US-5281554-\$ or US-6375312-\$ or US-5714268-\$ or US-6191031-\$ or US-6154105-\$).did. or (JP-04186815-\$).did.) and piezoelectric | USPAT; JPO; DERWENT | 2004/01/15 09:34 |
| - | 18 | sputtering with (alpha adj tantalum) | USPAT; JPO; DERWENT | 2004/01/15 09:00 |
| - | 3 | piezoelectric with (alpha adj tantalum) | USPAT; JPO; DERWENT | 2004/01/15 09:00 |
| - | 186 | (vapor daj deposition) with (tantalum) with (nitrogen or argon) | USPAT; JPO; DERWENT | 2004/01/15 09:14 |
| - | 2 | (vapor daj deposition) with (alpha adj tantalum) with (nitrogen or argon) | USPAT; JPO; DERWENT | 2004/01/15 09:13 |
| - | 699640 | vapor daj deposition | USPAT; JPO; DERWENT | 2004/01/15 09:13 |
| - | 1 | (vapor adj deposition) with (alpha adj tantalum) with (nitrogen or argon) | USPAT; JPO; DERWENT | 2004/01/15 09:14 |
| - | 58 | (vapor adj deposition) with (tantalum) with (nitrogen or argon) | USPAT; JPO; DERWENT | 2004/01/15 09:14 |
| - | 0 | (vapor adj deposition) with metal with piezoelectric with (nitrogen or argon) | USPAT; JPO; DERWENT | 2004/01/15 09:15 |
| - | 12 | ((vapor adj deposition) with metal with piezoelectric) and saw | USPAT; JPO; DERWENT | 2004/01/15 09:15 |
| - | 1 | ((US-6144057-\$ or US-5281485-\$ or US-5221449-\$ or US-6226171-\$ or US-4410867-\$ or US-5850167-\$ or US-5140403-\$ or US-6088462-\$ or US-6110598-\$ or US-5281554-\$ or US-6375312-\$ or US-5714268-\$ or US-6191031-\$ or US-6154105-\$).did. or (JP-04186815-\$).did.) and (vapor adj deposition) | USPAT; JPO; DERWENT | 2004/01/15 09:17 |
| - | 93 | (vapor adj deposition) with metal with piezoelectric | USPAT; JPO; DERWENT | 2004/01/15 09:19 |

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| - | 8 | ((US-6144057-\$ or US-5281485-\$ or US-5221449-\$ or US-6226171-\$ or US-4410867-\$ or US-5850167-\$ or US-5140403-\$ or US-6088462-\$ or US-6110598-\$ or US-5281554-\$ or US-6375312-\$ or US-5714268-\$ or US-6191031-\$ or US-6154105-\$).did. or (JP-04186815-\$).did.) and tungsten | USPAT; JPO; DERWENT | 2004/01/15 09:36 |
| - | 6 | ((US-6144057-\$ or US-5281485-\$ or US-5221449-\$ or US-6226171-\$ or US-4410867-\$ or US-5850167-\$ or US-5140403-\$ or US-6088462-\$ or US-6110598-\$ or US-5281554-\$ or US-6375312-\$ or US-5714268-\$ or US-6191031-\$ or US-6154105-\$).did. or (JP-04186815-\$).did.) and (tungsten with tantalum) | USPAT; JPO; DERWENT | 2004/01/15 09:39 |
| - | 2 | ((US-6144057-\$ or US-5281485-\$ or US-5221449-\$ or US-6226171-\$ or US-4410867-\$ or US-5850167-\$ or US-5140403-\$ or US-6088462-\$ or US-6110598-\$ or US-5281554-\$ or US-6375312-\$ or US-5714268-\$ or US-6191031-\$ or US-6154105-\$).did. or (JP-04186815-\$).did.) and (tungsten with titanium) | USPAT; JPO; DERWENT | 2004/01/15 09:40 |
| - | 666 | saw and (tungsten with titanium) | USPAT; JPO; DERWENT | 2004/01/15 09:40 |
| - | 0 | saw and (tungsten with titanium) with bilayer | USPAT; JPO; DERWENT | 2004/01/15 09:41 |
| - | 0 | saw and ((tungsten with titanium) with bilayer) | USPAT; JPO; DERWENT | 2004/01/15 09:41 |
| - | 0 | saw and ((tungsten with titanium) with bi-layer) | USPAT; JPO; DERWENT | 2004/01/15 09:41 |
| - | 0 | saw and ((tungsten same titanium) with bi-layer) | USPAT; JPO; DERWENT | 2004/01/15 09:41 |
| - | 728 | saw and (tungsten same titanium) | USPAT; JPO; DERWENT | 2004/01/15 09:41 |
| - | 257 | saw and ((tungsten same titanium) with tantalum) | USPAT; JPO; DERWENT | 2004/01/15 09:42 |
| - | 255 | saw and ((tungsten with titanium) with tantalum) | USPAT; JPO; DERWENT | 2004/01/15 09:45 |
| - | 11 | saw and ((tungsten with titanium) with tantalum with piezoelectric) | USPAT; JPO; DERWENT | 2004/01/15 09:45 |
| - | 170 | piezoelectric and ((metal\$3 adj layer) same titanium) | USPAT; JPO; DERWENT | 2004/04/29 11:48 |
| - | 18 | (piezoelectric and ((metal\$3 adj layer) same titanium)) and SAW | USPAT; JPO; DERWENT | 2004/04/29 12:49 |
| - | 1 | "5909156".PN. | USPAT | 2004/04/29 11:43 |
| - | 5 | ("4445066" "4775814" "5144185" "5773917" "5909156").PN. | USPAT | 2004/04/29 11:46 |
| - | 0 | ((("4445066" "4775814" "5144185" "5773917" "5909156").PN.) and ((metal\$3 adj layer) same titanium) | USPAT; JPO; DERWENT | 2004/04/29 11:48 |
| - | 2 | ((("4445066" "4775814" "5144185" "5773917" "5909156").PN.) and piezoelectric and titanium | USPAT; JPO; DERWENT | 2004/04/29 11:48 |
| - | 1 | (US-6259185-\$).did. | USPAT | 2004/04/29 12:43 |
| - | 0 | ((US-6259185-\$).did.) and (shear same wave) | USPAT; JPO; DERWENT | 2004/04/29 12:44 |
| - | 0 | ((US-6259185-\$).did.) and shear | USPAT; JPO; DERWENT | 2004/04/29 12:44 |

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| - | 1 | ((US-6259185-\$.did.) and wave | USPAT; JPO; DERWENT | 2004/04/29 12:48 |
| - | 0 | ((US-6259185-\$.did.) and horizon\$3 | USPAT; JPO; DERWENT | 2004/04/29 12:48 |
| - | 3 | (piezoelectric and ((metal\$3 adj layer) same titanium)) and (shear same wave) | USPAT; JPO; DERWENT | 2004/04/29 12:49 |
| - | 71 | shear adj horizontal adj wave | USPAT; JPO; DERWENT | 2004/04/29 12:57 |
| - | 3 | (shear adj horizontal adj wave) same SAW | USPAT; JPO; DERWENT | 2004/04/29 12:57 |
| - | 22 | (shear adj horizontal adj wave) and SAW | USPAT; JPO; DERWENT | 2004/04/29 12:51 |
| - | 5390 | surface adj acoustic adj wave adj device | USPAT; JPO; DERWENT | 2004/04/29 12:58 |
| - | 17 | (shear adj horizontal adj wave) and (surface adj acoustic adj wave adj device) | USPAT; JPO; DERWENT | 2004/04/29 12:59 |
| - | 0 | (piezoelectric and ((metal\$3 adj layer) same titanium)) and ((shear adj horizontal adj wave) and (surface adj acoustic adj wave adj device)) | USPAT; JPO; DERWENT | 2004/04/29 12:59 |
| - | 17 | ((shear adj horizontal adj wave) and (surface adj acoustic adj wave adj device)) and @ay<19990902 | USPAT; JPO; DERWENT | 2004/04/29 12:59 |
| - | 6 | ((shear adj horizontal adj wave) and (surface adj acoustic adj wave adj device)) and @ad<19990902 | USPAT; JPO; DERWENT | 2004/04/29 13:02 |
| - | 6 | ("5773917" "5844347" "5847486" "5854527" "5905325" "5909156").PN. | USPAT | 2004/04/29 13:01 |
| - | 0 | (shear adj horizontal adj wave) and (("5773917" "5844347" "5847486" "5854527" "5905325" "5909156").PN.) | USPAT; JPO; DERWENT | 2004/04/29 13:02 |
| - | 1 | ferromagnetic near copper | USPAT; JPO; DERWENT | 2004/04/30 11:42 |
| - | 1 | ferromagnetic near (copper or Cu) | USPAT; JPO; DERWENT | 2004/04/30 11:42 |
| - | 0 | (ferromagnetic adj material) near (copper or Cu) | USPAT; JPO; DERWENT | 2004/04/30 11:42 |